AGRITHERMT60

Temperature level and moisture display and control unit

7” Touch screen display
Alarm alert via display, email or relay
Display of temperature values/trends
Level measurement
Moisture measurement
Panel mount installation in control room
Remote control on Android/iOS/Windows devices
Remote assistance
Power supply 24Vdc
4.0 Industry Ready

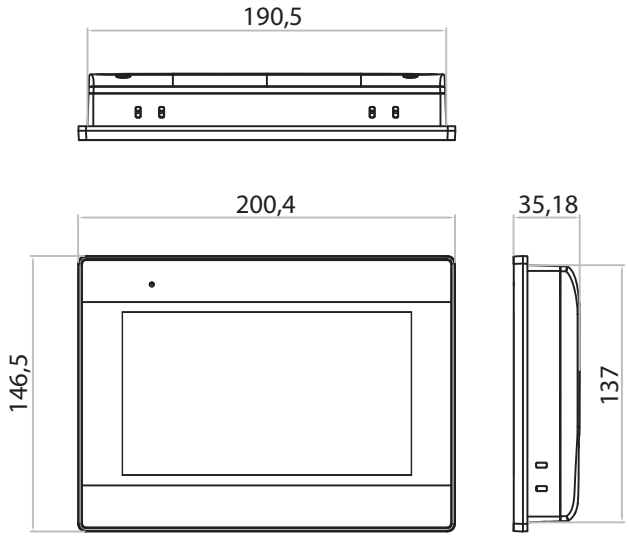
AGRITHERMT60 is a unit for managing temperatures in silos or sheds for the storage of cereals. Through a 7” or 10” touch screen display it is possible to view the conditions of the TM or TT multipoint thermometric probes, connected to it by means of a MUXM or MUX02 concentrator, and the relative measured temperatures. A simple and intuitive menu allows quick setting of average and maximum temperature values and other system settings ensuring precise and effective monitoring of the entire system. The alarm signaling can be freely configured by setting visual alarms, automatic sending of alerts via e-mail or by controlling the relay outputs. The trend of the measurements taken and any alarms are available for reading via the display and stored on a USB memory unit, thus creating a historical archive of the measurements.
It is also possible to use it remotely on Android / iOS / Windows smartphones and tablets with special Apps.
AGRITHERMT60 is the gateway to INDUSTRY 4.0 thanks to the MODBUS server function via TCP / IP and the possibility of remote assistance.

Technical Feature

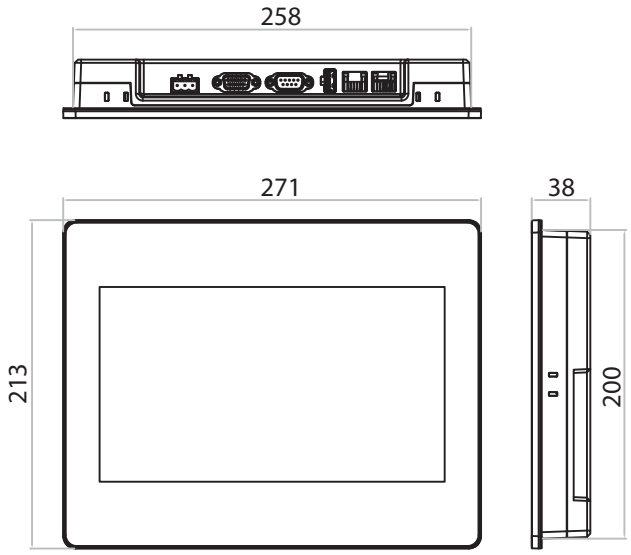
Display
Touch Screen 7” TFT 800x480
Touch Screen 10” TFT 1024x600
Pocessor
Quad-core RISC
Memory
Flash 4GB - RAM 1GB
Digital communication ports
Nr 2 MODBUS RTU via RS485(2W)
For data acquisition/management from MUXM and relay module (opt)
Nr 1 MODBUS via TCP/IP for re-transmission of temperature data
USB port
Nr 1 for 8GB pen drive

Power supply
24Vdc ±20%
Consumption
1A
Dimensions (l x h x w) mm
7” L x H x P 200.3 x 146.3 x 35.0
10” L x H x P 271 x 213 x 38
Drilling template for panel mounting (mm)
7” 190,5 x 137
10” 258 x 200
Frontal protection
IP65 / NEMA4
Working temperature
0÷50°C

Relay module supply (opt)
20,4÷28,8Vdc
Relay module consumption (opt)
2,5W
Relay module mounting (opt)
On DIN rail
Relay module output contacts (opt)
>250Vac, 30Vdc – 2A for single contact
Additional Functions of AT60P
- Ability to set a differential value on the temperature alarm
- Exclusion of one or more sensors from alarms



AgrithermT60S | 7" display



AgrithermT60P | 10" display

AGRITHERMT60 Display and control unit

Processor Quad-core RISC - Flash Memory 4GB - RAM 1GB
App Android / iOS / Windows (PC) for remote display via web
Power supply 24Vdc - Consumption 1A - Working temperature 0÷50°C
Master MODBUS RTU port on RS485 for MUX connection
Slave MODBUS TCP/IP port on Ethernet LAN1 10/100/1000 Base-T x 1
USB port with 16GB pen drive for temperature trend storage
7" dimensions L x H x P (mm) 200.3 x 146.3 x 35.0
10" dimensions L x H x P (mm) 271 x 213 x 38
Panel mounting
Frontal protection IP65 / NEMA4
Industry 4.0 ready

	Display	
	S	Touch Screen Display 7" TFT 800x480
	P	Touch Screen Display 10" TFT 1024x600
	Z	Special
	Version	
	A	Standard (temperature monitoring)
	L	Standard with level display
	U	Standard with moisture display
	W	Standard with level and moisture display
	Z	Special
	Technical support	
	0	None
	1	Configuration on customer's plant layout (up to 2 MUX)
	9	Special
	Extra technical support	
	A	None
	B	Configuration on customer's plant layout (for each MUX in addition to the first 2)
	Z	Special
	Relay outputs	
	0	None
	1	External module with 5 relay outputs
	2	External module with 10 relay outputs
	3	External module with 15 relay outputs
	4	External module with 20 relay outputs
	9	Special
	Analog inputs	
	A	None
	B	External module with 4 analog inputs
	C	External module with 8 analog inputs
	D	External module with 12 analog inputs
	E	External module with 16 analog inputs
	F	External module with 20 analog inputs
	Z	Special
	Accessories	
	0	None
	2	SGM LEKTRA remote assistance
	3	Head terminal + 2 slot bus system for relay modules fast mounting
	4	2 slot bus system for relay modules fast mounting
	9	Special